

**PATENT****Attorney Docket:****7640-X04-017****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Appln. of: Israel VLODAVSKY et al Group Art Unit: 1614
Appln. No.: 10/789,428
Filed: February 27, 2004
For: EOSINOPHIL MAJOR BASIC PROTEIN AS A NATURAL
HEPARANASE-INHIBITING PROTEIN, COMPOSITIONS, METHODS
AND USES THEREOF

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Dear Sir:

Submitted herewith are:

- (1) Form: PTO/SB/08a and PTO/SB/08b; and
- (2) Copies of the publications cited in said PTO/SB/08a and PTO/SB/08b.

It is requested that an initialed copy of the form PTO/SB/08a be returned to indicate that the publications listed therein have been considered and made of record.

A fee of \$180 is enclosed for filing an Information Disclosure Statement at this stage of prosecution. Enclosed is a Form PTO-2028 (Credit Card Form). If any deficiencies in fees are due, please charge Deposit Account 500601 for such sum (Docket No. 7640-X04-017).

Respectfully submitted,

Martin Fleit, Reg. #16,900

Martin Fleit
FLEIT KAIN GIBBONS GUTMAN BONGINI & BIANCO, P.L.
601 Brickell Key Drive Suite 404
Miami, Florida 33131
Tel: 305-416-4490; Fax: 305-416-4489
e-mail: MFleit@FocusOnIP.com



PATENT

Attorney Docket No: 7640-X04-017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Israel VLODAVSKY, Gerald J. GLEICH and Francesca
LEVI-SCHAFFER
Serial No.: 10/789,428
Group Art Unit: 1614
Filed: February 27, 2004
Examiner:
Title: EOSINOPHIL MAJOR BASIC PROTEIN AS A NATURAL
HEPARANASE-INHIBITING PROTEIN, COMPOSITIONS,
METHODS AND USES TEHEOF

CERTIFICATE OF EXPRESS MAILING

PATENTS

EXPRESS "Express Mail" Mailing Label number EV 674788887 US

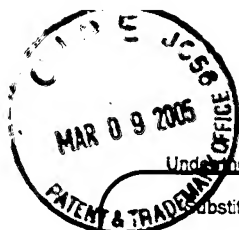
Date of March 9, 2005

I hereby certify that the attached paper(s) or fee(s) is/are being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.


(Signature of person mailing paper or fee)

ESTEFANIA BELAUNDE

(Typed or printed name of person mailing paper or fee)



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 7

Complete if Known

Application Number	10/789,428
Filing Date	February 27, 2004
First Named Inventor	Israel VLODAVSKY
Art Unit	1614
Examiner Name	
Attorney Docket Number	7640-X04-017

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 02/060374 A2	08-08-2002	Insight Strategy & Marketing Ltd		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/789,428	
			Filing Date	February 27, 2004	
			First Named Inventor	Israel VLODAVSKY	
			Art Unit	1614	
			Examiner Name		
Sheet	2	of	7	Attorney Docket Number	7640-X04-017

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	1	Bernard, D. et al., J. Invest. Dermatol. 117:1266-73 (2001)		
	2	Carlson, M.G. et al., J. Immunol. 134:1875-9 (1985)		
	3	Chekhonin V.P. et al., Vopr. Med. Khim. 46:54963 (2000) (abstract only)		
	4	Dempsey, L.A. et al., Trends Biochem. Sci. 25:349-51 (2000)		
	5	Fairbanks, M.B. et al., J. Biol. Chem. 274:29587-29590 (1999)		
	6	Friedmann, Y. et al., Am. J. Pathol. 157:1167-1175 (2000)		
	7	Gleich, G.J., Allergy Clin. Immunol. 105:651-663 (2000)		
	8	Gleich, G.J. J. et al., Clin. Invest 57:633-40 (1976)		
	9	Goldshmidt, O. et al., Exp. Cell Res. 281:50-62 (2002)		
	10	Goldshmidt, O. et al., J. Biol. Chem. 276:29178-87 (2001)		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/789,428
				Filing Date	February 27, 2004
				First Named Inventor	Israel VLODAVSKY
				Art Unit	1614
				Examiner Name	
Sheet	3	of	7	Attorney Docket Number	7640-X04-017

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	Goldshmidt, O. et al., Proc. Natl. Acad. Sci. USA 99:10031-6 (2002)	
	12	Gong et al. J. Biol. Chem. 278:35152-35158 (2003)	
	13	Hallsworth, M.P. et al., Am. J. Respir. Cell Mol. Biol. 19:910-9 (1998)	
	14	Hoenstein R. et al., Cell. Immunol. 210:116-24 (2001)	
	15	Hulett, M.D. et al., Nat. Med. 5:803-809 (1999)	
	16	Kawase, Y. J. Antibiotics 49:61-64 (1995)	
	17	Kuhry, J.G. et al., Agents Actions 16:109-12 (1985)	
	18	Levi-Schaffer, F. et al., Proc. Natl. Acad. Sci. USA 96:9660-5 (1999)	
	19	Lider, O. J. et al., Clin. Invest. 83:752-756 (1989)	
	20	Mallorqui-Fernandez, G. et al., J. Mol. Biol. 300:1297-307 (2000)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/789,428		
		Filing Date	February 27, 2004		
		First Named Inventor	Israel VLODAVSKY		
		Art Unit	1614		
Examiner Name					
Sheet	4	of	7	Attorney Docket Number	7640-X04-017

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	Matzner, Y. et al., J. Clin. Invest. 76:1306-13 (1985)	
	22	Mollinedo, F. et al., Biochem. J. 327:917-923 (1997)	
	23	Nadav, L. et al., J. Cell Sci. 115(10):2179-87 (2002)	
	24	Nagler, A. et al., Arteriosclerosis, Thrombosis & Vascular Biol. 17:194-202 (1997)	
	25	Nakajima, M. et al., J. Cell. Biochem. 36:157-163 (1988)	
	26	Nakajima, M. et al., J. Biol. Chem, 266:9661-9666 (1991)	
	27	Nishimura, Y. et. al., O. Antibiot, 47:101407 (1994)	
	28	O'Donnell, M.C. et al., J. Exp. Med. 157:1981-91 (1983)	
	29	Parish, C.R. et al., Biochim. Biophys. Acta. 1471:M99-M108 (2001)	
	30	Parish, C.R, et al., Cancer Res. 59:3433-3441 (1999)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/789,428	
			Filing Date	February 27, 2004	
			First Named Inventor	Israel VLODAVSKY	
			Art Unit	1614	
Sheet	5	of	7	Examiner Name	
				Attorney Docket Number	7640-X04-017

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	31	Parish, C.R. et al., Int. J. Cancer 40:511-518 (1987)	
	32	Pikas, D.S, et al., J. Biol. Chem. 273:18770-18777 (1998)	
	33	Samoszuk M. Histol Histopathol. 12:807-12 (1997) (Abstract only)	
	34	Shteper, P.J. et al., Oncogene 22:7737-7749 (2003)	
	35	Simon H-U. et al., J. Immunol. 165:4069-75 (2000)	
	36	Slifman, N. R. et al., J. Immunol. 137:2913-291.7 (1986)	
	37	Solomon, A. et al., Invest. Ophthalmol. Vis. Sci. 41:1038-44 (2000)	
	38	Stetler-Stevenson, W.G. and Yu, A.E. Semin. Cancer Biol. 11:143-52 (2001)	
	39	Temkin, V. et al., J. Immunol. 169:2662-9 (2002)	
	40	Temkin, V. et al., Cytokine 24: 74-80 (2003)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/789,428
				Filing Date	February 27, 2004
				First Named Inventor	Israel VLODAVSKY
				Art Unit	1614
				Examiner Name	
Sheet	6	of	7	Attorney Docket Number	7640-X04-017

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	41	Thomas, L.L. et al., Immunol. Lett. 78:175-81 (2001)	
	42	Vlodavsky, I. et al., Cancer Res. 43:2704-2711 (1983)	
	43	Vlodavsky, I. et al., Isr, J, Med. 24:464-470 (1988)	
	44	Vlodavsky, I. et al., Trends Biochem. Sci. 16:268-71. (1991)	
	45	Vlodavsky, I. et al., invasion & Metastasis 12:112-127 (1992)	
	46	Vlodavsky, I. et al., Invasion Metastasis 14:290-302 (1994)	
	47	Vlodavsky, I. et al., Tumor Angiogenesis. Eds. C. E. Lewis, R. Bicknell & N. Ferrara. Oxford Uni	
	48	Vlodavsky, I. et al., Nat. Med. 5:793-802 (1999a)	
	49	Vlodavsky, I. et al., Current Protocols in Cell Biology. Vol 1. New York, NY: John Wiley & Sons	
	50	Vlodavsky, I. and Friedmann, J. Clin. Invest. 108:341-7 (2001)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/789,428
				Filing Date	February 27, 2004
				First Named Inventor	Israel VLODAVSKY
				Art Unit	1614
				Examiner Name	
				Attorney Docket Number	7640-X04-017
Sheet	7	of	7		

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.